



# SMAP

SOIL MOISTURE ACTIVE PASSIVE

**Join us for a SMAP Application Discussion  
Tuesday, December 6, 2011 from 5:00-6:00pm  
Moscone Center South, Room 220**

**SMAP will provide high-resolution, frequent-revisit global mapping of soil moisture and freeze/thaw state to enable science application users to:**

- Understand Processes that link the terrestrial water, energy and carbon cycles
- Estimate global water and energy fluxes at the land surface
- Quantify net carbon flux in boreal landscapes
- Enhance weather and climate forecast skill.
- Develop improved flood prediction and drought monitoring capability.

**SMAP data will be used in applications of national significance that range from agriculture to human health**